5

10

15

20

What is claimed is:

1. An electrostatic chuck having a bonded structure comprising a ceramic electrostatic chuck member, a metal member, and a bonding layer; said ceramic electrostatic chuck member and the metal member being bonded with said boding layer,

wherein said bonding layer has at least a first most outer bonding layer being bonded to said ceramic electrostatic chuck member, a second most outer bonding layer being bonded to said metal member, and a polyimide layer being disposed between said first and second most outer bonding layers, and each of most outer bonding layers is made of either a silicone layer or an acrylic layer.

- 2. The electrostatic chuck according to claim 1, wherein the thickness of the bonding layer is 0.05 to 0.5 mm.
- 3. The electrostatic chuck according to claim 1, wherein the ceramic electrostatic chuck member has a base material made of aluminum nitride, and said base material is being formed as an integrated body by sintering it with an electrostatic chuck electrode being embedded thereinto.
- 4. The electrostatic chuck according to claim 1, wherein flatness of an adsorption surface in the ceramic electrostatic chuck member is 30 μ m or less.

5

10

15

20

25

5. A method for manufacturing an electrostatic chuck having a bonded structure comprising a ceramic electrostatic chuck member, a metal member, and a bonding layer; said ceramic electrostatic chuck member and the metal member being bonded with said boding layer,

wherein said bonding layer has at least a first most outer bonding layer being bonded to said ceramic electrostatic chuck member, a second most outer bonding layer being bonded to said metal member, and a polyimide layer being disposed between said first and second most outer bonding layers, and each of most outer bonding layers is made of either a silicone layer or an acrylic layer;

wherein said method comprises the steps of:

preparing a sheet comprising at least a first most outer layer, second most outer layer made of either a silicone layer or an acrylic layer, and an intermediate layer being disposed between said first and second most outer layers and made of a polyimide layer,

vacuum-packing said electrostatic chuck member, said bonding layer, said metal layer and said sheet being sandwiched between said electrostatic chuck member and said metal member into a vacuum-packing bag; and

heating thus vacuum-packed electrostatic chuck member, bonding layer and metal layer under isotropic pressurization to bond them firmly.